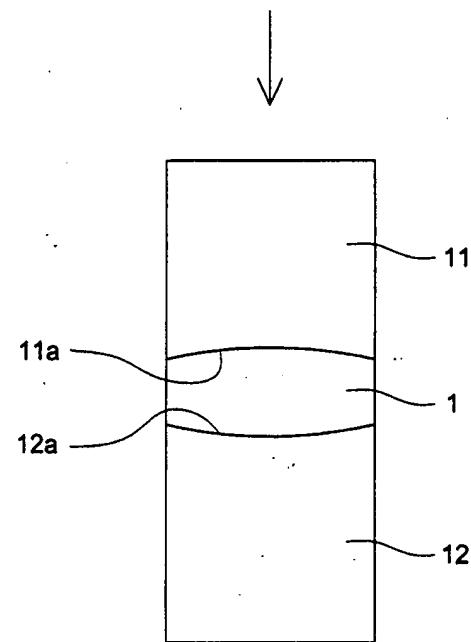


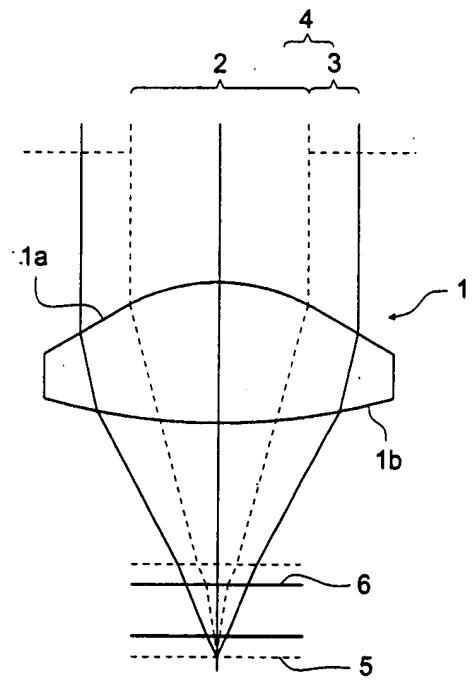
FIG. 1



09670839-092800

FIG. 2

008260-5804060



1 μ m

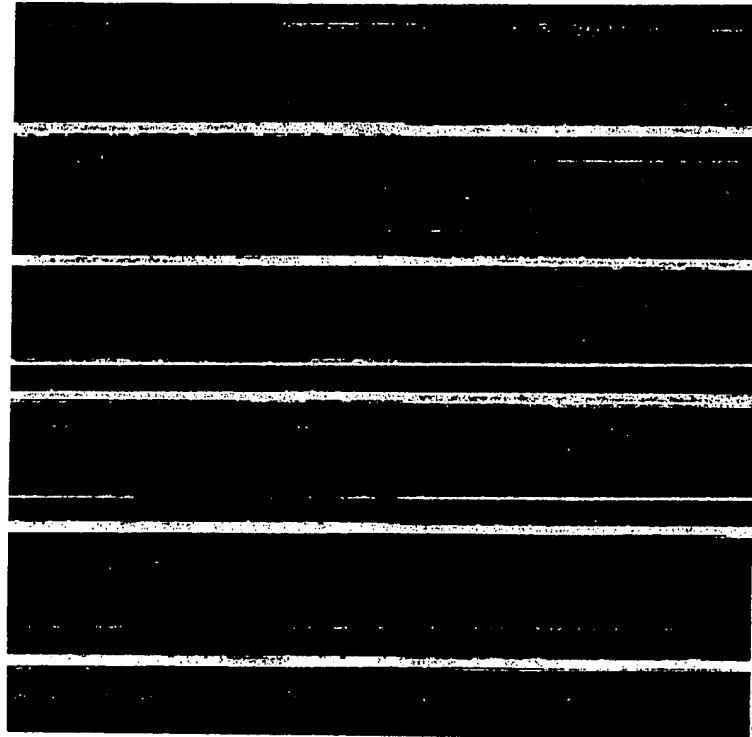


FIG. 3

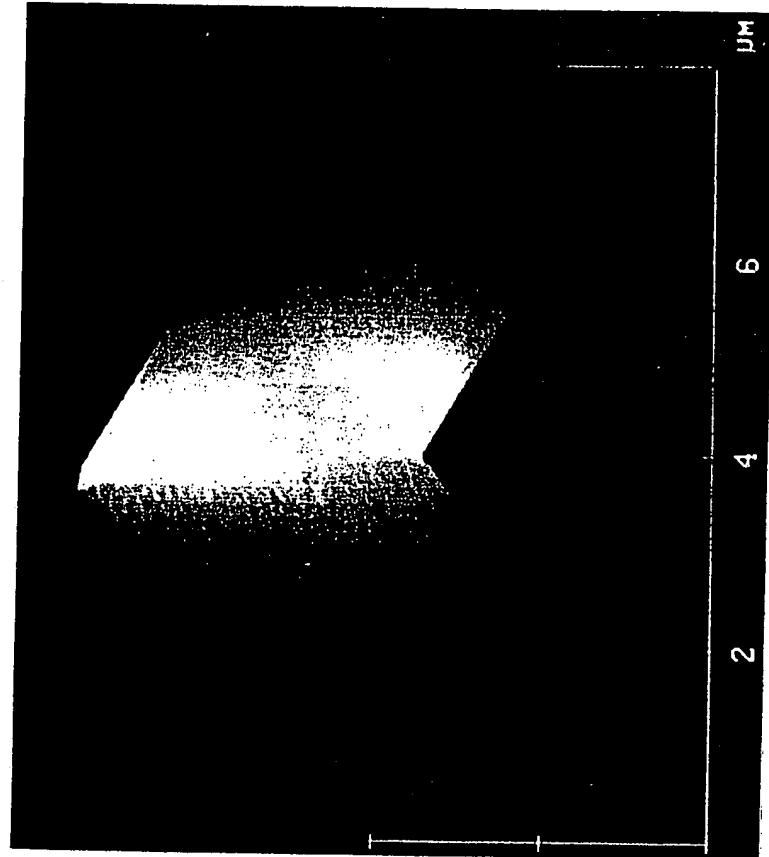
002260 " 62202950

Cut new mold material after 3 km length cutting

008260" 65892960

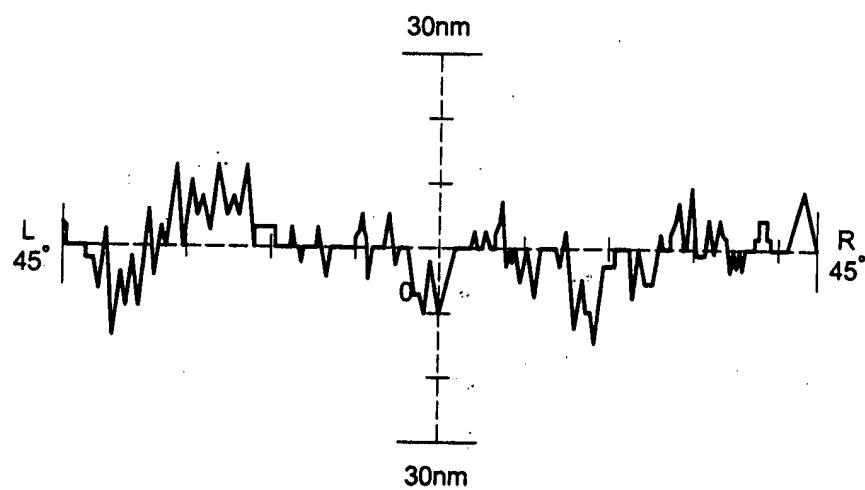
$1 \mu\text{m}$

FIG. 4



Diamond tool cutting edge after 3 km length new mold material cutting

FIG. 5



095670088330-0082600

00000000000000000000000000000000

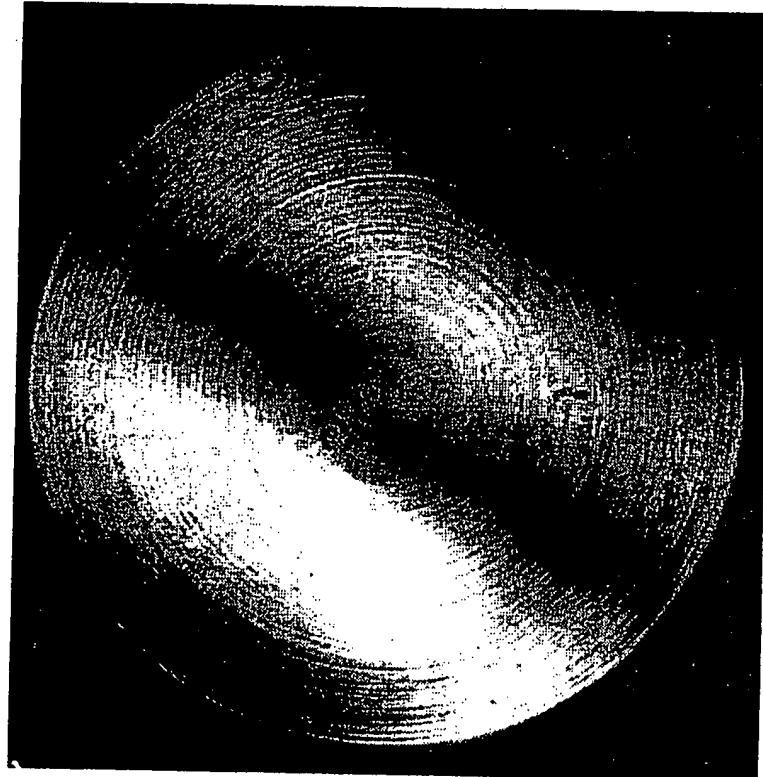
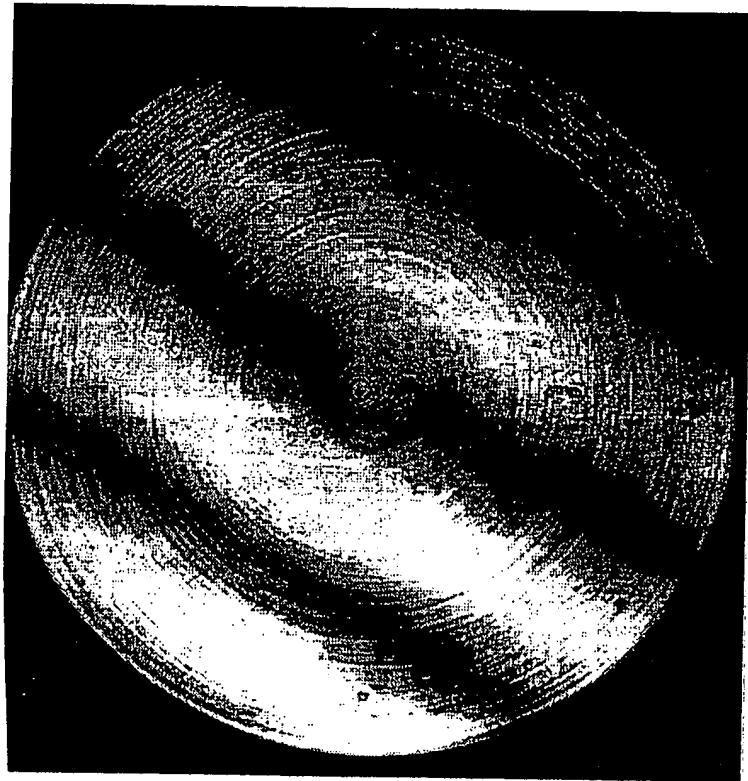


FIG. 6

Interferogram of cut Aluminum sphere
by new diamond turning machine

002260 " 65302950

FIG. 7



Interferogram of cut Al sphere after 6 hours
by new diamond turning machine

FIG. 8

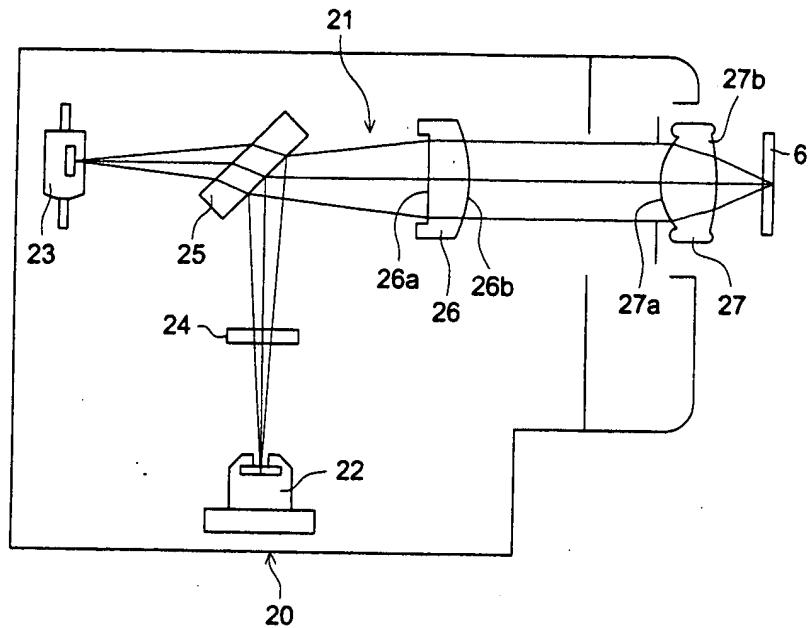


FIG. 9

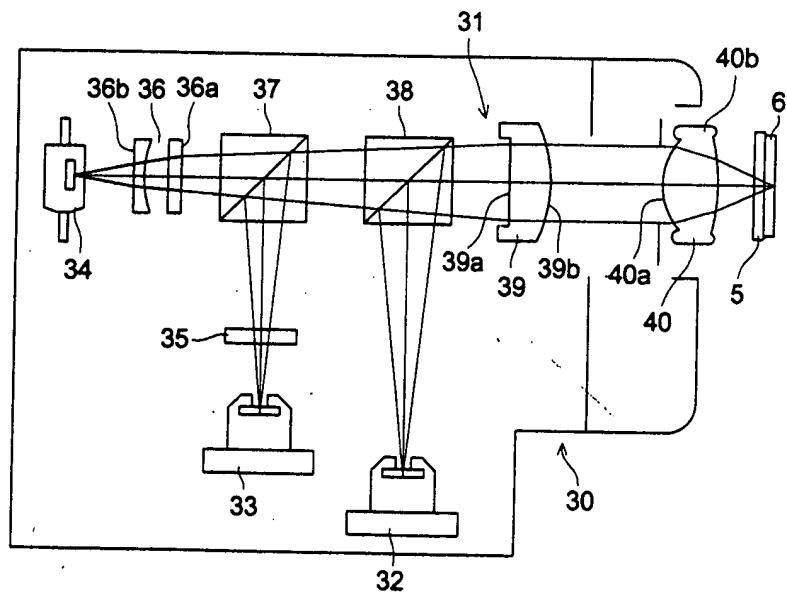
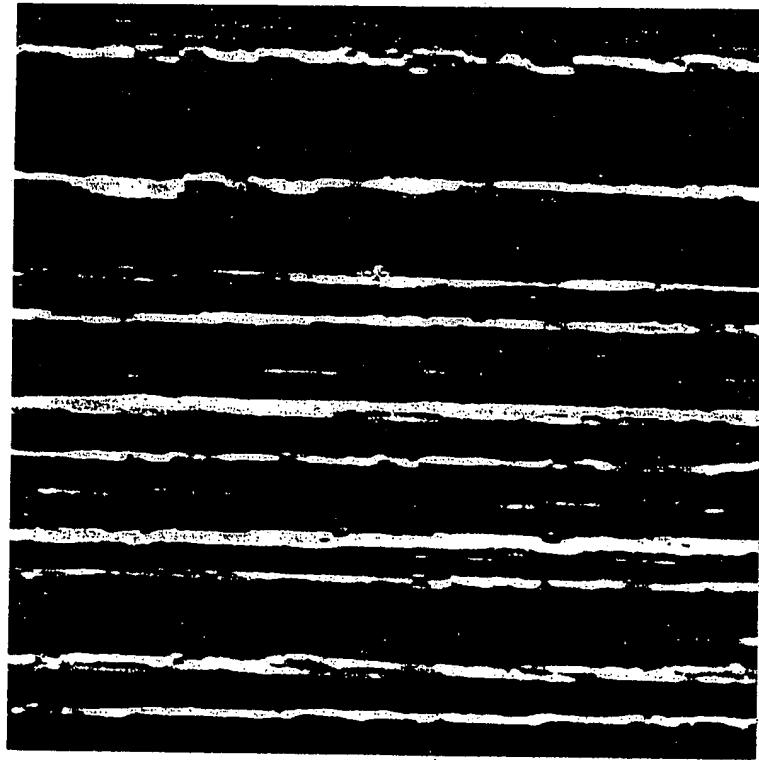


FIG. 10 260° SEE 90° 950

1 μ m

FIG. 10



Cut ENP surface after 3 km length cutting

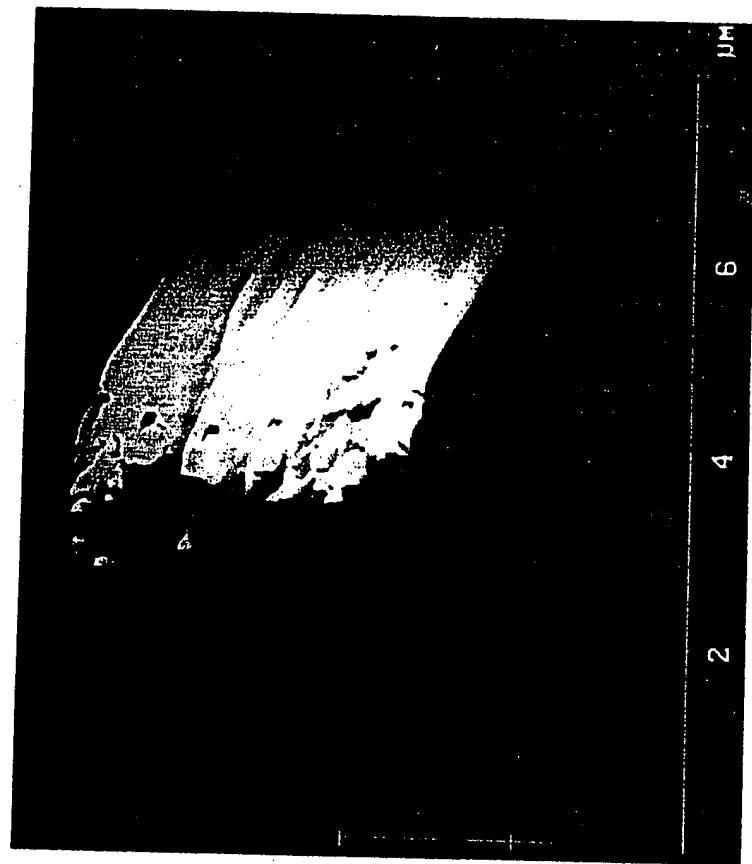


FIG. 11

003260 " 52802 1960

FIG. 12

00826500-000000000000

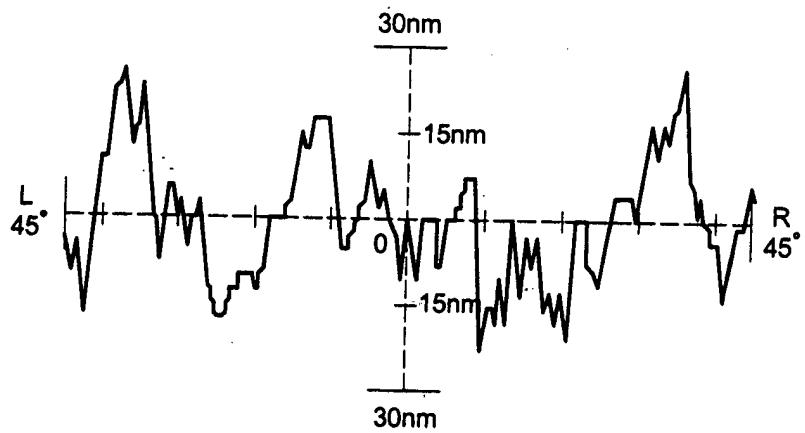
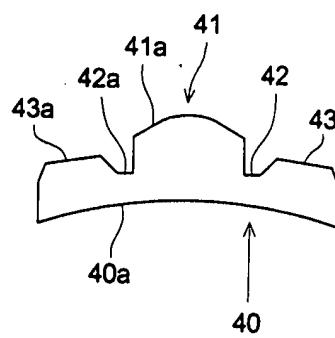


FIG. 13



02920950 - 000000